

ABSTRACT

A process for forming a metallic tubular connector of the type having a cylindrical shell which extends circumferentially about a tubular body for joining said tubular connector to a conduit. The process involves using a first forming machine to form a first 5 peripheral bead in a first end portion of a tubular metallic body, having a substantially uniform diameter and wall thickness, reduce the outside diameter of a second end portion, and slope an intermediate surface portion. Then, a second end forming machine tool, carrying a metallic socket, freely receives the tubular body second end portion, contacts the sloped intermediate surface portion, forms a second peripheral bead adjacent the first peripheral bead, while an annular end surface of the socket is compressed and locked 10 between the first and second beads. Further, the tubular body is manufactured from a 5000 series aluminum alloy material.